



SEQUENCE LISTING

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WEI, Jiang
INOUE, Masayori

<120> SOLUBLE ISCHEMIA ACTIVATED PROTEIN

<130> 266/171

<140> US 09/960,631

<141> 2001-09-20

6

<150> US 60/233,819

<151> 2000-09-20

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1

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gcggccccc	gcgccggct	gttgccgctc	ccggggagcg	gggccgtgca	ggccgcgagc	180
ccggagcgcg	ccggctggac	cgagggcgtg	cgggccgcgg	tggccgagct	gcgcgcgggc	240
gccgtggttg	ccgtccccac	cgatacgtg	tacggccttg	cctgcgcggc	gagctgctcg	300
gcggctctgc	gcgctgtgta	ccgcctcaag	ggtcgcagcg	aggccaagcc	tctggccgta	360
tgccctcgcc	gcgtggccga	cgtctacaga	tactgccgtg	tgagagtacc	tgaggggctc	420
ctgaaagacc	tactgccagg	accagtgacc	ctggtgatgg	aacgctcgga	ggagctcaac	480
aaggacctaa	acccttttac	gcctcttgta	ggcattcgga	ttcctgatca	tgcttttatg	540
caagacttgg	ctcagatggt	tgaggggtccg	cttgctctca	ctagtgccaa	cctcagctcc	600
caggccagtt	ctctgaatgt	cgaggagtcc	caggatctct	ggcctcagtt	gtccttggtt	660
attgatgggg	gacaaattgg	ggatggccag	agccccgagt	gtcgccttgg	ctcaactgtg	720
gttgatttgt	ctgtgcccg	aaagtgtggc	atcattcgtc	caggctgtgc	cctggaaagt	780
actacagcca	tcctccaaca	gaagtacgga	ctgctccct	cacatgcgtc	ctacctgtga	840

<210> 2

<211> 279

<212> PRT

<213> Homo sapiens

<400> 2

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Ser	Val	Gly	Leu	Ser	Glu	Gly	Pro	Ala	Gly	Ser	Arg	Ser	Gly	Arg	Leu
		20					25					30			
Phe	Arg	Pro	Pro	Ser	Pro	Ala	Pro	Ala	Ala	Pro	Gly	Ala	Arg	Leu	Leu
		35				40					45				
Arg	Leu	Pro	Gly	Ser	Gly	Ala	Val	Gln	Ala	Ala	Ser	Pro	Glu	Arg	Ala
	50				55					60					
Gly	Tyr	Thr	Glu	Ala	Leu	Arg	Ala	Ala	Val	Ala	Glu	Leu	Arg	Ala	Gly

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65					70					75					80
Ala	Val	Val	Ala	Val	Pro	Thr	Asp	Thr	Leu	Tyr	Gly	Leu	Ala	Cys	Ala
				85					90					95	
Ala	Ser	Cys	Ser	Ala	Ala	Leu	Arg	Ala	Val	Tyr	Arg	Leu	Lys	Gly	Arg
			100					105					110		
Ser	Glu	Ala	Lys	Pro	Leu	Ala	Val	Cys	Leu	Gly	Arg	Val	Ala	Asp	Val
		115					120					125			
Tyr	Arg	Tyr	Cys	Arg	Val	Arg	Val	Pro	Glu	Gly	Leu	Leu	Lys	Asp	Leu
	130					135					140				
Leu	Pro	Gly	Pro	Val	Thr	Leu	Val	Met	Glu	Arg	Ser	Glu	Glu	Leu	Asn
145					150					155					160
Lys	Asp	Leu	Asn	Pro	Phe	Thr	Pro	Leu	Val	Gly	Ile	Arg	Ile	Pro	Asp
			165						170					175	
His	Ala	Phe	Met	Gln	Asp	Leu	Ala	Gln	Met	Phe	Glu	Gly	Pro	Leu	Ala
		180						185					190		
Leu	Thr	Ser	Ala	Asn	Leu	Ser	Ser	Gln	Ala	Ser	Ser	Leu	Asn	Val	Glu
		195					200					205			
Glu	Phe	Gln	Asp	Leu	Tyr	Pro	Gln	Leu	Ser	Leu	Val	Ile	Asp	Gly	Gly
	210					215					220				
Gln	Ile	Gly	Asp	Gly	Gln	Ser	Pro	Glu	Cys	Arg	Leu	Gly	Ser	Thr	Val
225					230					235					240
Val	Asp	Leu	Ser	Val	Pro	Gly	Lys	Phe	Gly	Ile	Ile	Arg	Pro	Gly	Cys
			245					250						255	
Ala	Leu	Glu	Ser	Thr	Thr	Ala	Ile	Leu	Gln	Gln	Lys	Tyr	Gly	Leu	Leu
		260						265					270		
Pro	Ser	His	Ala	Ser	Tyr	Leu									
		275													

<210> 3
 <211> 1387
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)..(1387)

<223> The letter "n" stands for a substitution base.

<400> 3

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ggtccgcttg	ctctcactag	tgccaacctc	agctcccagg	ccagttctct	gaatgtcgag	180
gagttccagg	atctctggcc	tcagttgtcc	ttggttattg	atgggggaca	aattggggat	240
ggccagagcc	ccgagtgtcg	ccttggtcca	actgtggttg	atttgtctgt	gcccggaaaag	300
tttggcatca	ttcgtccagg	gtgtgcctgg	gaaagtacta	cagccatcct	ccaacagaag	360
taaggactgc	tcccctcaca	tgcgtcctac	ctgtgaaact	ctgggaagca	ggaaggccca	420
agacctggtg	ctggatacta	tgtgtctgtc	cactgacgac	tgtcaaggcc	tcatttgcag	480
aggccaccgg	agctagggca	ctagcctgac	ttttaaggca	gtgtgtcttt	ctgagcactg	540
tagaccaagc	ccttgagct	gctggtttag	ccttgcacct	ggggaaagga	tgtatttatt	600
tgtattttca	tatatcagcc	aaaagctgaa	tggaaaagtt	aagaacattc	ctaggtggcc	660
ttattcta	aagtttcttc	tgtctgtttt	gtttttcaat	tgaaaagtaa	ttaaataaca	720
gatttagaat	ctagtggag	cntcctctct	gggggtggtg	gcatttaagg	ttcaaccan	780
ccnagaagtg	ctgcgtgtt	taaaaagtct	caggtggctg	cgtgtggtg	ctcatgcctg	840
taatcccaac	attctgggag	gcccgagcgg	gagaactgct	tgagcccagg	agttcagaat	900
cagcctgggc	aacatagcaa	tactccgtct	cataaaaatt	aataaataaa	aagtctcagg	960

145		150		155		160
Asn Lys Asp Leu Asn Pro Phe Thr Arg Leu Val Gly Ile Arg Ile Pro						
	165		170		175	
Asp His Ala Phe Met Leu Asp Leu Ala Gln Met Phe Gly Gly Pro Leu						
	180		185		190	
Ala Leu Thr Ser Ala Asn Leu Ser Ser Gln Ala Ser Ser Leu Ser Val						
	195		200		205	
Glu Glu Phe Gln Asp Leu Tyr Pro His Leu Ser Leu Val Ile Asp Gly						
	210		215		220	
Gly Pro Ile Gly Asp Ser Gln Ser Pro Glu Cys Arg Leu Gly Ser Thr						
	225		230		235	
Val Val Asp Leu Ser Val Pro Gly Lys Phe Gly Ile Ile Arg Pro Gly						
	245		250		255	
Cys Ala Leu Glu Asn Thr Thr Ser Ile Leu Gln Gln Lys Tyr Gly Leu						
	260		265		270	
Leu Pro Ser Gln Gly Ser Cys Ser						
	275		280			

<210> 6
 <211> 702
 <212> DNA
 <213> Bos taurus

<400> 6	
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ccgcgtggcc gacgtctaca ggtactgcc cgtgagagta cctgaggggc tcctgaagga	180
cctggttgcca ggaccagtga cctggtgat ggaacgctca gaggagctca acaaggacct	240
gaatcctttc actcctcttg taggcacccg gattcctgac caccgcttca tgcaggacct	300
ggtccagatg tttggggggc cactcgctct caccagtgcc aacctcagct cccagtccag	360
ctctctgaat gttgaggaat tccaggacct gtggcctcac ttgtccctga tcattggtg	420
gggaccaatt ggggacggcc agagcccaga gtgtcgacta ggctcaactg tgggtgactt	480
gtctgtgcct ggaaagtttg gcatcattcg tcctgggtgt gcccttgaaa gtacttcagc	540
catcctccag gagtatgggc tgctcccctc acatggatcc tgctggtgac actctggagg	600
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<210> 7
 <211> 126
 <212> PRT
 <213> Bos taurus

<400> 7	
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Gln Met Phe Gly Gly Pro Leu Ala Leu Thr Ser Ala Asn Leu Ser Ser	
35 40 45	
Gln Ser Ser Ser Leu Asn Val Glu Glu Phe Gln Asp Leu Trp Pro His	
50 55 60	
Leu Ser Leu Ile Ile Gly Gly Gly Pro Ile Gly Asp Gly Gln Ser Pro	
65 70 75 80	
Glu Cys Arg Leu Gly Ser Thr Val Val Asp Leu Ser Val Pro Gly Lys	
85 90 95	
Phe Gly Ile Ile Arg Pro Gly Cys Ala Leu Glu Ser Thr Ser Ala Ile	
100 105 110	

Leu Gln Glu Tyr Gly Leu Leu Pro Ser His Gly Ser Cys Trp
 115 120 125

<210> 8
 <211> 841
 <212> DNA
 <213> Rattus novartis

<220>

<221> misc_feature
 <222> (491)..(491)
 <223> The letter "z" stands for sequence hybridizing.

<400> 8
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 aaatatgggc tgctcccttc acaggggtcc tgttcatgaa acttgggagg acccaagaac 180
 catgctggat actatgtgtc tactacaggt tggcaaagcc tcattggctg aggttcctgg 240
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 ccagaagctt cgggttgagc cttgcaccca ggggaagggt atatttactc tgtagattca 360
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 cctctcacc ccaaccctgcc tataagttaa gtaacttgac tgcagaatta gaatgcatta 480
 agagctgctt actggtgaac agtgaaattt ggtttaaaac cagccagaag cactaatgca 540
 gtctagaagt ctcaggacca atgcagcaaa gtctaggagc cctggccaga gctttctggg 600
 tacaggagag tggtcatttg gagaaaatta ttctaggagt tccaaatgaa ataattattga 660
 aaaataaaat cttgactgtt ttcagccagt gactttctta tttattggta tagttctctg 720
 ttttaattat ttaactcaga agtcattctt gttcatatgt ctacctggta tttacataat 780
 tatttttaag tatttgaact gtatttcttt attaaatatt tcttctacaa aaaaaaaaaa 840
 a 841